AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended): An isolated protein complex comprising:

a polyhedral protein of strain H of Bombyx mori cytoplasmic polyhedrosis virus having strain H of Bombyx mori cytoplasmic polyhedrosis virus ~~an insect virus~~ encapsulated therein; and

a target protein directly fused to the C-terminus of a restricted region of a capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus as an embedding signal for the polyhedron,

wherein the restricted region of said capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus consists of the 41st to 79th amino acid residues of SEQ ID NO: 2, and ~~is a region from the 41st amino acid residue to the 79th amino acid residue~~

wherein said target protein is heterologous with respect to said restricted region of said capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus.

2. (Cancelled).

3. (Previously Presented): The isolated protein complex according to Claim 1, wherein the polyhedral protein has an effect on improvement in the stability of the target protein, protection thereof or improvement in the preservation property thereof, or a combination of any of these.

4. (Previously Presented): The isolated protein complex according to Claim 1, wherein the target protein is at least one member selected from the group consisting of fluorescent or light-emitting proteins, enzymes, antigens, antibodies, cytokines, receptors and bioactive proteins.

5. (Withdrawn/Currently Amended): A process for producing an isolated protein complex, comprising the steps of:

infecting a cell with a nucleic acid encoding a restricted region of a capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus directly fused to a nucleic acid encoding ~~a gene encoding~~ a target protein, together with ~~a insect virus~~ strain H of Bombyx mori cytoplasmic polyhedrosis virus that has been integrated with a gene encoding a polyhedral protein of said capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus, and

culturing the cell, whereby a protein complex having a complex structure composed of the target protein and the polyhedral protein is produced in the cell,

wherein the restricted region of the capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis [[is]] virus consists of ~~either a region from the N-terminus to the 40th amino acid residue or a region from~~ the 41st amino acid residue to the 79th amino acid residue of SED ID NO: 2, and

wherein said target protein is heterologous with respect to said restricted region of said capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus.

6. (Currently Amended): A biosensor comprising:

an isolated protein complex comprising:

a polyhedral protein of strain H of Bombyx mori cytoplasmic polyhedrosis virus having strain H of Bombyx mori cytoplasmic polyhedrosis virus ~~an insect virus~~ encapsulated therein; and

a target protein directly fused to the C-terminus of a restricted region of a capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus as an embedding signal for the polyhedron,

wherein said isolated protein complex is arranged in dots or lines on a substrate and immobilized thereon,

wherein the restricted region of said capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus consists of the 41st to 79th amino acid residues of SEQ ID NO: 2, and

wherein said target protein is heterologous with respect to said restricted region of said capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus.

7. (Previously Presented): A biosensor according to claim 6, wherein said isolated protein complex is packed in such a manner that said isolated protein complex is to be contacted with a substance in a test solution in a recess formed on a substrate.

8. (Previously Presented): A biosensor according to claim 6, wherein said isolated protein complex is packed in a container in such a manner that said isolated protein complex is to be contacted with a substance in a test solution.

9. (Currently Amended): An isolated protein complex comprising:

a polyhedral protein of strain H of Bombyx mori cytoplasmic polyhedrosis virus having ~~an insect virus~~ strain H of Bombyx mori cytoplasmic polyhedrosis virus encapsulated therein; and

a target protein directly fused to the C-terminus of a restricted region of a capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus as an embedding signal for the polyhedron,

wherein the target protein is an enzyme and is heterologous with respect to said restricted region of said capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus, and

wherein the restricted region of said capsid protein VP3 of strain H of Bombyx mori cytoplasmic polyhedrosis virus consists of the 41st to 79th amino acid residues of SEQ ID NO: 2.

10-13. (Cancelled)